

Overview of the Utah Statistics Core Standards

Secondary Math I, II & III

Secondary I	Secondary II	Secondary III
S.ID.1: Represent data (dot plots, histograms, box plots)	Moved to Math II from Math I: S.ID.5: Summarize categorical data in two-way tables, associations & trends.	S.IC.1: Statistics allows inferences from samples to parameters
S.ID.2: Compare center and spread of distributions (mean, median, IQR, standard deviation)	S.CP.1: Describe subsets of sample spaces (unions, intersections, complements)	S.IC.3: Surveys, experiments & observational studies. Randomization.
S.ID.3: Interpret differences of shape, center & spread of data sets. Effect of outliers.	S.CP.4(-): Construct & interpret two-way tables. (Removed independence)	S.IC.4: Use samples to estimate population means/proportions. Develop idea of margin of error through simulation.
S.ID.6: Scatter plots for linear and exponential data. Linear regression, residuals.	S.CP.5(-): Conditional probability in context. (Removed independence)	S.IC.6: Evaluate reports based on data.
S.ID.7: Interpret slope and y-intercepts	S.CP.6: Find conditional probabilities and interpret based on a model.	
S.ID.8: Correlation	Standards moved to II Honors: S.CP.2, S.CP.3, S.CP.7, and S.CP.8	
S.ID.9: Correlation vs. causation.		
Secondary I Honors	Secondary II Honors	Secondary III Honors
No additional standards for honors	MOVED TO HONORS from Math II: S.CP.2: Evaluate independence based on product of probabilities	Moved from Math II: S.CP.9: Permutations & combinations.
	S.CP.3: Conditional probability formula	
	S.CP.7: Addition Rule for probability	
	S.CP.8: Multiplication Rule for probability	
Moved to another course	Moved to another course	Moved to another course
MOVED TO SMII: S.ID.5: two-way tables	MOVED TO SMIII HONORS: S.CP.9: Permutations & combinations MOVED TO ADVANCED COURSES: S.MD.1, 2: modeling, decisions & strategies	MOVED TO ADVANCED COURSES: S.ID.2: simulation models AND S.ID.4, 5: normal distributions & significance.